

What is claimed is:

1. An inkjet printing system configured for receiving a replaceable ink container, the replaceable ink container having ink extraction characteristics that vary with ink extraction, the inkjet printing system comprising:

5 an ink extraction determining device for determining ink extracted from the replaceable ink container; and

a control device for selecting a print mode based on ink extraction characteristics of the replaceable ink container.

10 2. The inkjet printing system of claim 1 wherein the control device selects the print mode for selectively pausing printing to reduce an average ink usage rate.

3. The inkjet printing system of claim 1 wherein the control device selects the print mode from a plurality of print modes with each of the plurality having a
15 different pause value associated therewith.

4. The inkjet printing system of claim 1 wherein the print mode is selected from a plurality of print modes, the plurality of print modes includes a first printing mode with a first ink usage rate and a second printing mode with a
20 second ink usage rate different from the first usage rate.

5. The inkjet printing system of claim 1 wherein the replaceable ink container has ink extraction characteristics that vary with ink level within the replaceable ink container.

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6. The inkjet printing system of claim 1 wherein the replaceable ink container has a gauge pressure characteristic based on ink usage varies with ink level within the ink container.

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7. The inkjet printing system of claim 1 wherein ink extraction characteristics are stored on an electrical storage device associated with the replaceable ink container and wherein the ink extraction characteristics are provided to the control device after installation of the replaceable ink container into the inkjet printing system.

8. The inkjet printing system of claim 7 wherein the information storage device is a semiconductor storage device.

9. An inkjet printing system having a printhead responsive to control signals for depositing ink on media and an ink delivery system for delivering ink to the printhead, the inkjet printing system comprising:
a monitoring device for monitoring ink delivered to the printhead by the ink delivery system; and
a control device for adjusting print rate based on an ink deposited on media and ink delivered to the printhead.

10. The inkjet printing system of claim 9 wherein the control device adjusts print rate based on a rate of ink deposited on media and a rate of ink delivered to the printhead.

11. The inkjet printing system of claim 9 wherein the monitoring device determines ink delivered to the printhead based on ink extraction characteristics of an ink container.

12. The inkjet printing system of claim 11 wherein the monitoring device determines an amount of ink delivered to the printhead over a given time interval based on an extraction rate for an ink container that is determined based on ink remaining in the ink container.

13. The inkjet printing system of claim 9 wherein the control device adjusts print rate to prevent the print rate from exceeding a rate of ink delivered to the printhead by more than a threshold value.

5 14. The inkjet printing system of claim 9 wherein the control device adjusts print rate by selectively pausing printing to reduce an average print rate.

15. The inkjet printing system of claim 9 wherein the control device adjusts print rate by selectively controlling numbers of nozzles activated.

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16. A method for operating a printing system having a printhead and a supply of ink separate from the printhead, the method comprising:

determining ink flow from the printhead;

determining ink flow into the printhead; and

15 adjusting a print rate if the ink flow from the printhead exceeds ink flow into the printhead by a threshold amount.

17. The method of claim 16 wherein the determining ink flows from the printhead is based on drop counting.

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18. The method of claim 16 wherein the determining ink flow into the printhead is based on ink extraction characteristics of the ink container.

19. The method of claim 18 wherein the determining ink flows into the
25 printhead is based on ink level within the ink container.

20. The method of claim 16 wherein the adjusting the print rate is selectively inserting a pause between successive print swaths to reduce an average print rate for successive print swaths.

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21. The method of claim 16 wherein the adjusting the print rate is selectively limiting the number of nozzles activated on the printhead.